

FEATURES
36W Constant Current LED Driver
LXLCT036 Series

- Input Voltage 120Vac (+/-10%)
- Total Power 36W
- Class II Output
- 5 year warranty
- UL 8750 Pending
- IP20 For Damp location
- Triac dimming option


SPECIFICATIONS

Model #	Output Current ±5%	Output Voltage Range	OCV	Remote mounting distance (#18 AWG)	Efficiency (Typ.)
					120VAC
LXLCT036S100SS-20	1000mA	12-36V	40V	38 ft	82%
LXLCT036S110SS-20	1100mA	11-33V	37V	34 ft	82%
LXLCT036S120SS-20	1200mA	10-30V	34V	32 ft	83%

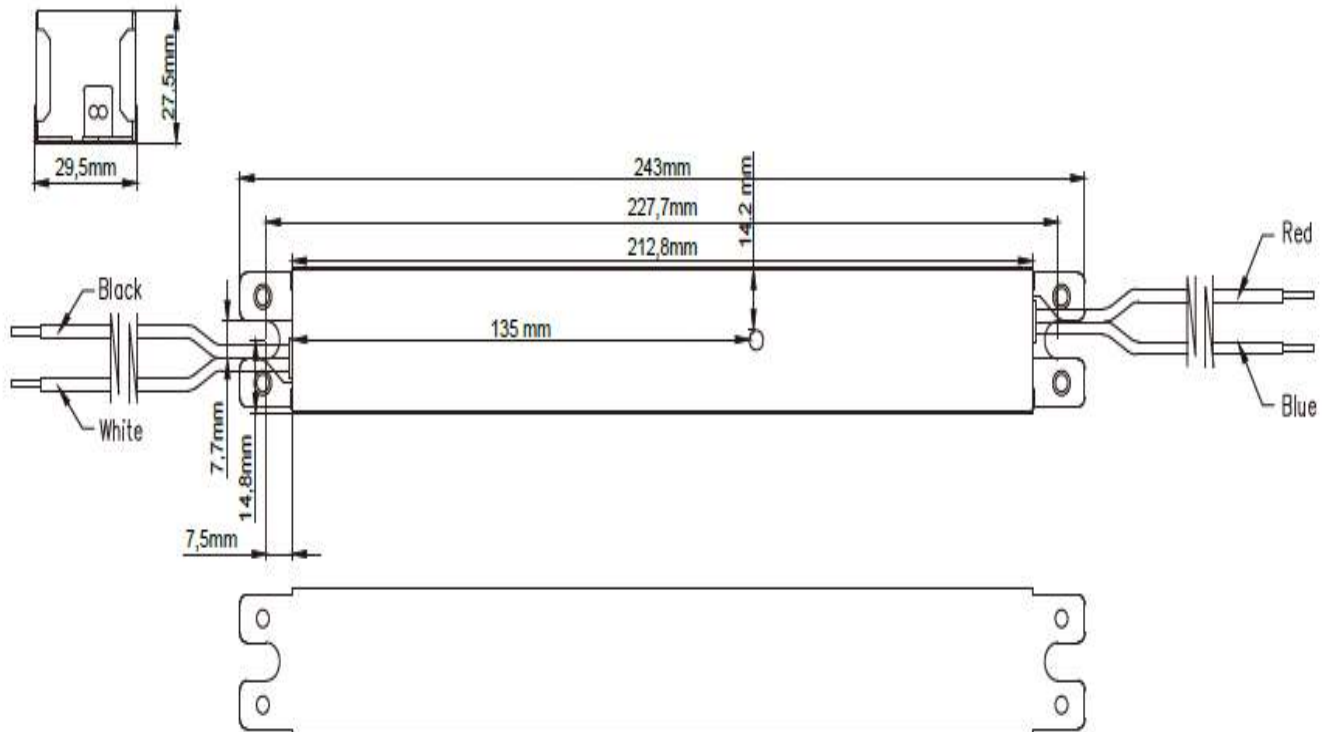
Output	Voltage Tolerance	±5% at full load condition
	Line Regulation	±1%
	Load Regulation	±2%
	No Load power Consumption	<1W
	Over Shoot	<10% at full load condition
	Ripple Noise	<10% (pk-pk)
	Turn-on Delay Time	<.75s at full load condition
Input	Leakage Current	Maximum 0.5mA at 120Vac, 60Hz Input
	Voltage Range	120Vac ±10%
	Frequency Range	60Hz
	Inrush Current	20A @ 120V
	Power Factor	>0.9 under 120Vac input with 80~100% load condition(for all output voltage)
	AC Current (Max.)	0.40A @120V
Protections	THD	<20% under 120Vac input with 80~100% load condition(for all output voltage)
	Short Circuit Protection	Hiccup mode. Protection will trigger when short circuit and will auto recover after the fault mode is removed.
	Over Current Protection	Hiccup mode. Protection will trigger when load current exceed specified output current and will auto recover after the fault mode is removed.
	Over Voltage	Hiccup mode. Protection will trigger when load voltage exceed specified output voltage and will auto recover after the fault mode is removed.
	Withstand Voltage	Input to Output, 2,800Vdc, 2mA

Environmental	Temperature Range	Operational	- 40 ~ 60°C	
		Storage	- 40 ~ 85°C	
	Humidity	5 ~ 95% RH		
	Case Temperature (Max.)	90°C		
Safety & EMC	Safety Standards	UL8750 P EN61347-1, EN61347-2-13		
	EMS Immunity	EN61000-3-2, FCC, 47CFR Part 15 ANSI C63.4: 2009 Class c		
Others	MTBF	440,000 hours		
	Life Time	76,000 hours at 120Vac input, 100% load and 60°C case temperature		
	Dimensions	(L*W*H) 9.57 *1.13*1.07 inches & 8.95" M (L*W*H) 243*29.5*27.5 mm & 227.7mm M		
	Weight	0.400 kg		
	Packaging			.40kg / UNIT ; 50pcs / carton ; 1750pcs / pallet
		Carton size	430 x 300 x 160 mm	
Carton weight		20kg		
Case Material		Metal		

Notes:

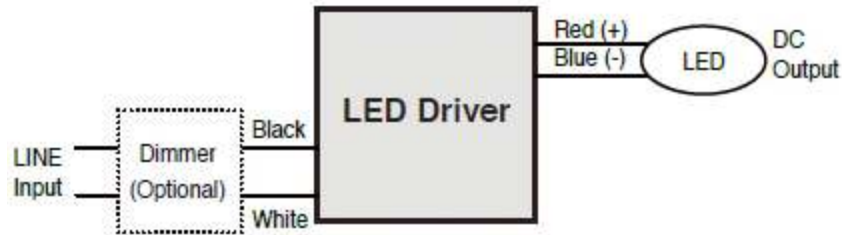
1. Non-Class 2 output (USR & CNR).
2. Class 2 output (USR), Non-Class 2 output (CNR).
3. Class 2 output (USR & CNR).

Mechanical Specification

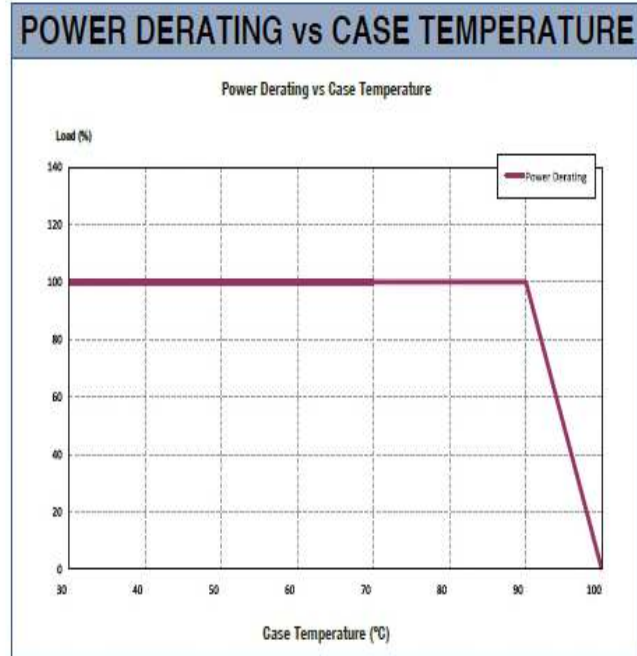
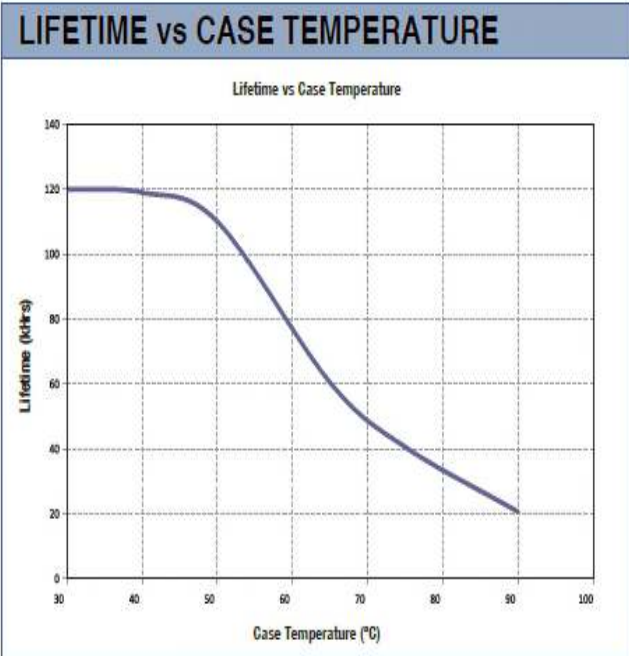


Wire Specification

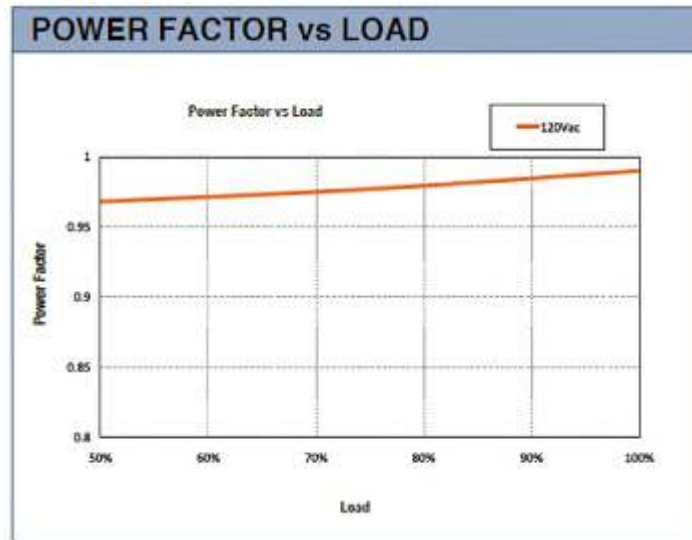
Wire Specification	
Input	12", UL 1316 #18AWG (Black and White)
Output	12", UL 1316 #22AWG (Red and Blue)



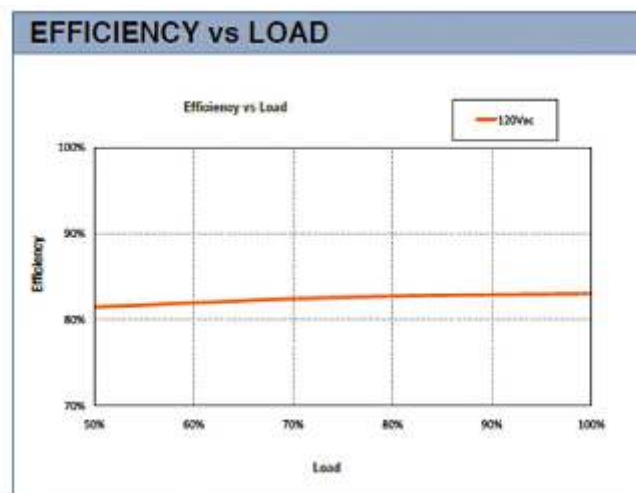
Life Time vs. Case Temperature Curve



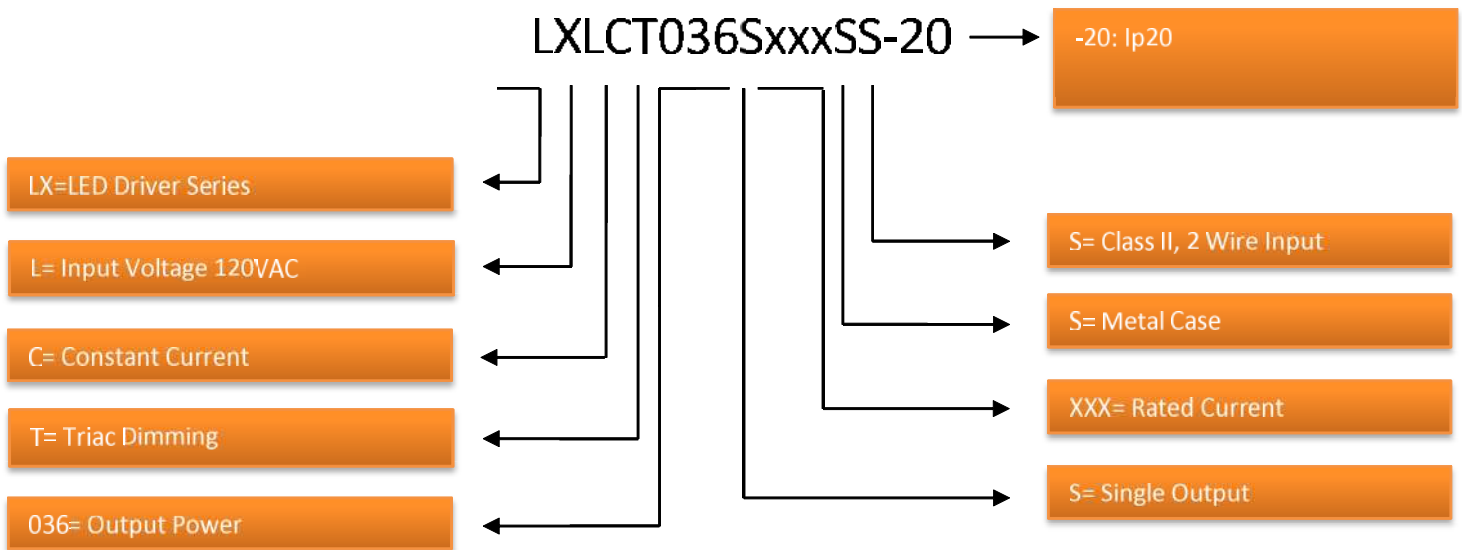
Power Factor Characters



Efficiency vs Load



PART NUMBER SCHEME



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